Panasonic

2.4GHz Digital Cordless Phone

Operating Instructions

Model No. **KX-TG2551ALS**

KX-TG2551NZS

Caller ID Compatible

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 6 hours before initial use.

Before Initial Use

Thank you for purchasing your new Panasonic cordless telephone.

For Australia
When you subscribe to Caller ID services from your telephone operator, this telephone will display the caller's phone number. When available from your telephone operator, this telephone will also display the number of the second call or call waiting.

For New Zealand
Caller ID, where available, is a service provided by the telephone company. After subscribing to Caller ID, this phone will display a caller's phone number.

For your future reference

Serial No.   Date of purchase
(found on the bottom of the unit)

Name and address of dealer

Attach or keep original receipt to assist with any repair under warranty.

Accessories (included)
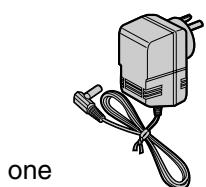
| ☐ AC Adaptor (p. 10)	☐ Telephone Line Cord (p. 10)	
	For Australia	**For New Zealand**
one	one	one
For Australia only ☐ Telephone Plug (p. 10)	☐ Belt Clip (p. 46)	☐ Wall Mounting Adaptor (p. 44)
one	one	one
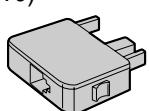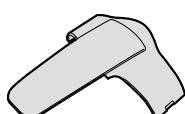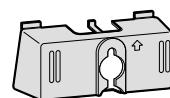
For Best Performance

Battery Charge

A rechargeable Nickel Cadmium (Ni-Cd) battery powers the handset. Charge the battery for about **6 hours** before initial use (p. 11).

The battery is beneath this cover.

• **As preventative maintenance, clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
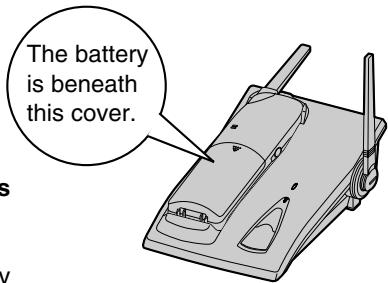
Base Unit Location/Noise

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommended base unit location is:

Away from electrical appliances such as a TV, personal computer, cellular phone charging units or another cordless phone.

In a high and central location, preferably where there are no obstructions.

Raise the antenna.
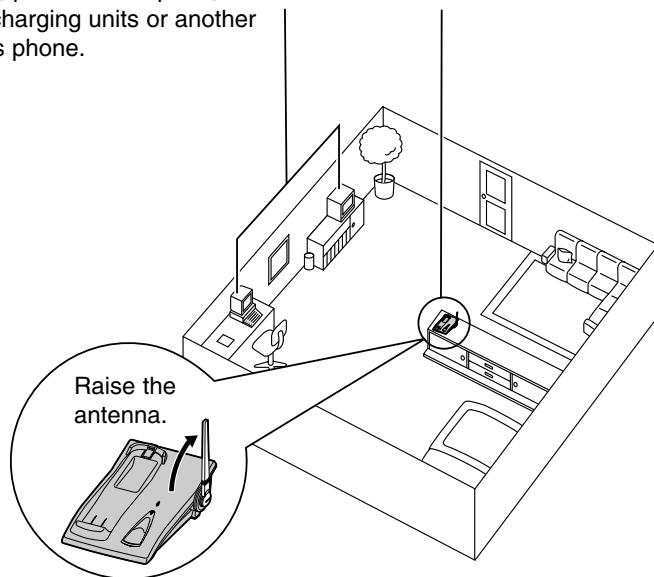
Note:
While using the handset:
• If you are near a microwave oven which is being used, noise may be heard from the receiver. Move away from the microwave oven and closer to the base unit.
• If more than one cordless phone is being used and your handset is near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

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Contents

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Useful Information

Location of Controls

Handset

Antenna

Display (p. 8)

[TALK] Button (p. 18, 20)

[DIRECT] Button
(p. 30, 31)

Headset Jack (p. 46)

[FUNCTION/EXIT/CH]
(Channel) Button
(p. 14, 18, 23, 32, 36)

Navigator Key (▲, ▼,
BACK ◄, **FWD/EDIT** ►)
(p. 14, 19, 23, 33)

[CLEAR] Button
(p. 29, 34, 39)

[REDIAL/PAUSE] Button
(p. 19, 40)

[RECALL] Button (p. 41, 42)

Charge Contacts (p. 12)

How to use the Navigator key

This key has four active areas that are indicated by arrows.

• Pressing the up and down arrows allows you to enter the Caller List and scroll through the function menu, the Caller List and the directory list. The up and down arrows are also used to adjust the handset ringer and receiver volumes.
• Pressing the right and left arrows allows you to enter the directory list and to move the cursor when entering directory items.
• The right arrow is also used to select or confirm your menu choices.

Throughout these Operating Instructions, the navigator key is indicated by the arrows ▼, ▲, ◄ or ►.

Base unit

Hook (p. 44)

Antenna (p. 3, 10)

Charge Contacts
(p. 12)

Panasonic

2.4 GHZ GIGARANGE
DIGITAL
SPREAD SPECTRUM

CALLER ID

IN USE / CHARGE

2.4

HANDSET LOCATOR

CALLER ID Indicator
(p. 21, 22)

IN USE/CHARGE
Indicator (p. 11)

(HANDSET LOCATOR)
Button (p. 40)
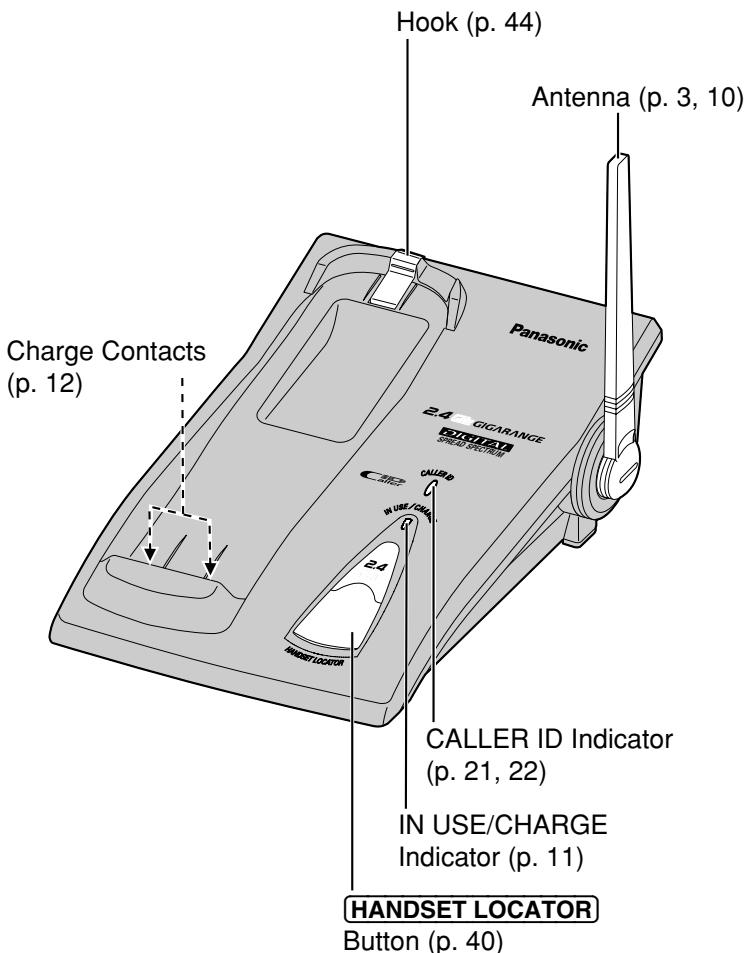
Display

The handset shows you instructions and information on the display.
These display prompts are shown below.

```
No items stored
```
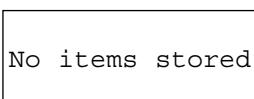
The Caller List is empty or there are no stored items in the directory.

```
   Recharge
          [   ]
```
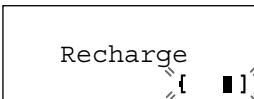
The battery needs to be charged. Place the handset on the base unit to charge the battery (p. 12).

```
 12 new calls
          [■■■]
```
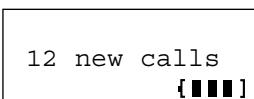
The display shows the number of new calls and the battery strength while the handset is on the base unit.

```
 12 new calls
▼▲   ▶=Directory
```
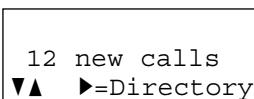
This display shows the number of new calls when ▼ or ▲ is pressed while the handset is off the base unit.
To search from the most recent call, press ▼.
To search from the oldest call, press ▲ (p. 23).
To go to the directory list, press **FWD/EDIT** ▶ (Directory key).

```
 Ringer off
          [■■■]
```
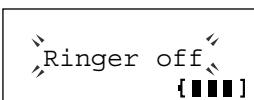
When the handset ringer volume is set to OFF (p. 16), "Ringer off" will flash for about 45 seconds before the handset returns to the standby mode (p. 12).

```
0266667777
```
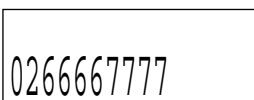
When a call is received, the display shows the caller's phone number after the first ring.

```
Talk

01-06-35  [■■■]
```
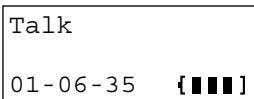
During a conversation, the display shows the length of the call (ex. 1 hour, 6 minutes and 35 seconds). The battery strength is also displayed (p. 11).

```
No link to base
Place on cradle
and try again.
```
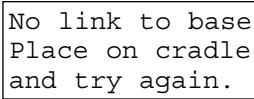
The handset has lost communication with the base unit. Place the handset on the base unit and try again.

```
0355566677
11:20A JAN10 ×3
```

This is an information from the Caller List.
The display shows:
— the caller's phone number,
— the time and date of the last call
    (ex. Jan. 10, 11:20 AM), and
— the number of times called (ex. 3 times).

```
Ann
0267543210
```

This is a name from the directory. The stored name and phone number are displayed.

```
      Paging
```

The base unit is paging the handset (p. 40).

```
0266667777
----Waiting----
```

A second call is received during a conversation (p. 41).

```
Please lift up
and try again.
```

▼, ▲, **BACK** ◄ or **FWD/EDIT** ► was pressed while the handset was on the base unit. Lift the handset and press the button again.

```
Not available
```

While the base unit was not in the standby mode, ▼ or ▲ was pressed to search the Caller List/directory list, **FWD/EDIT** ► was pressed to select an option.

```
Directory full
```

When trying to store an item or Caller List information in the directory, the directory memory is full (p. 27, 33).

```
Save error
```

While storing items in the directory, the handset has lost communication with the base unit. Move closer to the base unit and try again.

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Settings

Connections

For Australia
To Socket

Telephone Line Cord

Telephone Plug

For New Zealand
To Single-Line Telephone Jack

Telephone Line Cord

To Power Outlet (AC 230 V–240 V, 50 Hz)

AC Adaptor

Fasten the cords to prevent them from being disconnected.

Hook   Hooks

OR

Raise the antenna.
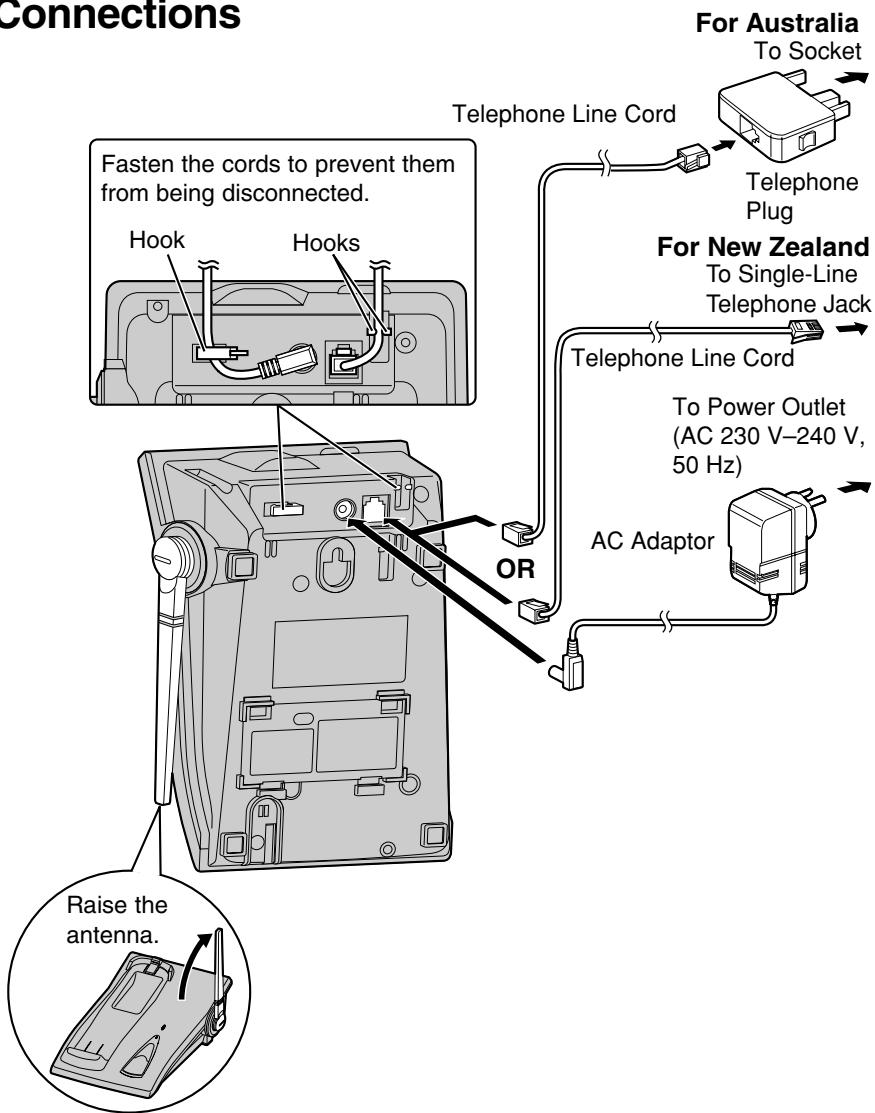
• USE ONLY WITH Panasonic AC ADAPTOR PQLV1AL.
• The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
• To connect a standard telephone on the same line, see page 43.
• If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
• KX-TG2551AL and KX-TG2551NZ are not designed to be used with rotary (pulse dialling) services.

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Battery Charge

Place the handset on the base unit and charge for about **6 hours** before initial use.

•The IN USE/CHARGE indicator lights and a beep sounds.

OR

IN USE/CHARGE Indicator
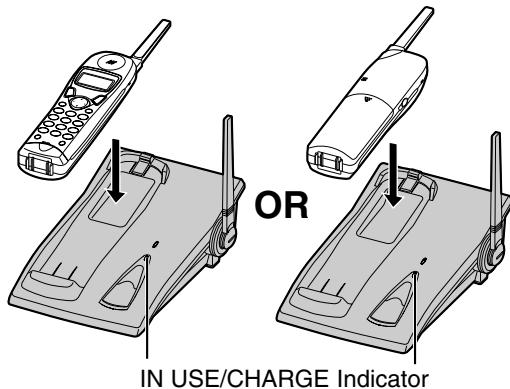
Battery strength

You can check the battery strength on the handset display while the handset is on the base unit, while it is in use (making/answering a call etc.), or after viewing the Caller List or directory items, programming etc. The battery strength will remain for a few seconds after using the handset, then the display will return to the standby mode (p. 12).

The battery strength is as shown in the chart below.

Display prompt	Battery strength
〔▌▌▌〕	Fully charged
〔 ▌▌〕	Medium
〔 ▌〕	Low
〔 ▌〕 (flashing)	Needs to be recharged.

➡ **Settings**

Recharge

Recharge the battery when:
—"Recharge" is displayed on the handset,
—"{ ▌]" flashes on the display, or
—the handset beeps intermittently while it is in use.

```
  Recharge
        { ▌]
```
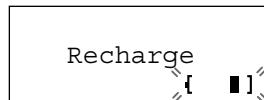
• If you DO NOT recharge the handset battery for more than 15 minutes, the display will keep indicating "Recharge" and/or "{ ▌]" will continue to flash.
• To fully recharge the battery, the handset should be left on the base unit.

Battery information

After your Panasonic battery is fully charged (p. 11):

Operation		Operating time
While in use (TALK)	near the base unit*	Up to 4.5 hours
	away from the base unit	Up to 3.5 hours
While not in use (Standby)		Up to 11 days

*Within about 3 meters

• The battery operating time may be shortened depending on usage conditions, such as viewing the Caller ID Caller List or directory list, and ambient temperature.
• **As preventative maintenance, clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
• If the battery is fully charged, you do not have to place the handset on the base unit until "Recharge" is displayed and/or "{ ▌]" flashes. This will maximize the battery life.
• The battery cannot be overcharged.

Standby mode (While the handset is off the base unit)

The handset goes into the standby mode after you finish using the handset (making/answering a call, viewing the Caller List or directory list etc.). The display is blank, but the handset can receive calls. The battery operating time is conserved in this mode.

Selecting the Line Mode

If the line is connected to a low voltage system such as a PBX, set to "B".
Otherwise the Call Waiting Caller ID Feature may not function (p. 41).
Your phone comes from the factory set to "A".
Use the handset near the base unit.
Make sure the handset is in the standby mode initially.

1   Press **FUNCTION/EXIT/CH**.

```
▶Save directory
 Ringer volume
▼▲        ▶=Yes
```

2   Press ▼ or ▲ repeatedly until the arrow
    points to "Program".

```
▶Program
 LCD contrast
▼▲        ▶=Yes
```

3   Press **FWD/EDIT** ▶ (Yes key).

```
▶Save DIRECT#
 Recall time
▼▲        ▶=Yes
```

4   Press ▼ or ▲ repeatedly until the arrow
    points to "Set line mode".

```
▶Set line mode
 Talk switching
▼▲        ▶=Yes
```

5   Press **FWD/EDIT** ▶ (Yes key).

```
Line mode
            :A
▼▲        ▶=Save
```

6   Press ▼ or ▲ to select "B" or "A".

```
Line mode
            :B
▼▲        ▶=Save
```

7   Press **FWD/EDIT** ▶ (Save key).
    • A beep sounds.
    • To return to the standby mode, press
    FUNCTION/EXIT/CH.

```
Line mode
            :B
```

• You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
• If the handset has lost communication with the base unit, 3 beeps sound and "No
  link to base Place on cradle and try again." is displayed.

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Programmable Functions

You can program the following functions **by using the handset near the base unit**. The display shows the programming instructions. See the corresponding pages for function details.
Make sure the handset is in the standby mode initially.

Lift the handset, and press (**FUNCTION/EXIT/CH**).

<Function menu>*

```
▶Save directory ............ To store an item in the directory (p. 32).
 Ringer volume ............ To select the ringer volume (p. 16).
 Program
 LCD contrast ............ To select the LCD contrast (p. 17).
```

Press **FWD/EDIT** ▶.

<Function menu>*

```
▶Save DIRECT# ............ To store a phone number in the DIRECT
                           button (p. 30).
 Recall time ............ To select the recall time (p. 42).
 Set line mode ............ To select the line mode (p. 13).
 Talk switching ............ To set the auto talk feature (p. 15).
```

During programming:
*To select a desired function item, press ▼ or ▲ repeatedly until the arrow points to the item. Then press **FWD/EDIT** ▶ to go to the next step.

•You can exit the programming mode any time by pressing (**FUNCTION/EXIT/CH**).
•If you do not press any buttons for 60 seconds, the unit will return to the standby mode.
•If the handset has lost communication with the base unit, 3 beeps sound and "No link to base Place on cradle and try again." is displayed.

➡

Setting the Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing **TALK**. If you want to use this feature, turn the feature ON by programming. Your phone comes from the factory set to OFF.
Make sure the handset is in the standby mode initially.

1 Press **FUNCTION/EXIT/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
▶Program
 LCD contrast
▼▲        ▶=Yes
```

3 Press **FWD/EDIT** ▶ (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to "Talk switching".

```
 Set line mode
▶Talk switching
▼▲        ▶=Yes
```

5 Press **FWD/EDIT** ▶ (Yes key).

```
 Auto talk
           :Off
▼▲        ▶=Save
```

6 Press ▼ or ▲ to select "On" or "Off".

```
 Auto talk
            :On
▼▲        ▶=Save
```

7 Press **FWD/EDIT** ▶ (Save key).
•A beep sounds.
•To return to the standby mode, press **FUNCTION/EXIT/CH**.

```
 Auto talk
            :On
```

•You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
•In order to view Caller ID information after you lift up the handset to answer a call, leave the Auto Talk feature OFF.

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Selecting the Ringer Volume

You can program the ringer volume to HIGH, LOW or OFF. If set to OFF, the unit will not ring. Your phone comes from the factory set to HIGH.
Make sure the handset is in the standby mode initially.

1 Press **(FUNCTION/EXIT/CH)**.

2 Press ▼ or ▲ repeatedly until the arrow points to "Ringer volume".

```
 Save directory
▶Ringer volume
▼▲         ▶=Yes
```

3 Press **FWD/EDIT** ▶ (Yes key).

4 Press ▼ or ▲ to select the desired volume.

   • The selected volume is displayed and rings.
   • **To turn the ringer OFF**, press and hold ▼ until 2 beeps sound.

To turn the ringer ON, press ▲ or ▼ in step 4.

   • The ringer will sound at the LOW level.

HIGH
```
 Ringer
Low ▮▮▮▮▮▮ High
▼▲
```

▼ ↓   ↑ ▲

LOW
```
 Ringer
Low ▮▮       High
▼▲
```

▼ ↓   ↑ ▲

OFF
```
 Ringer off
▼▲
```
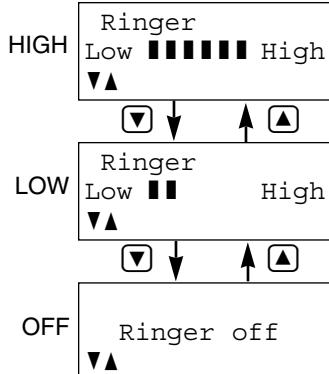
   • You can also select the ringer volume while a call is being received. Press ▼ or ▲ while the unit is ringing.
   • When set to OFF, "Ringer off" will flash for about 45 seconds before the handset returns to the standby mode.
   • When you replace the battery, the selected ringer volume setting will return to the factory set (HIGH). Reprogram if necessary.

Selecting the LCD Contrast

You can program the handset LCD contrast (5 levels). To make the handset display clearer, set to high level. Your phone comes from the factory set to level 3.
Make sure the handset is in the standby mode initially.

1 Press **(FUNCTION/EXIT/CH)**.

2 Press ▼ or ▲ repeatedly until the arrow points to "LCD contrast".

```
 Program
▶LCD contrast
▼▲          ▶=Yes
```

3 Press **FWD/EDIT** ▶ (Yes key).

```
 LCD contrast
 Low ▮▮▮    High
▼▲          ▶=Save
```

4 Press ▼ or ▲ to select the desired contrast.

•Each time you press ▼ or ▲, the LCD contrast will change.

5 Press **FWD/EDIT** ▶ (Save key).
•A beep sounds.
•To return to the standby mode, press **(FUNCTION/EXIT/CH)**.

•You can exit the programming mode any time by pressing **(FUNCTION/EXIT/CH)**.

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Making Calls

To have a hands-free phone conversation, connect the optional headset to the handset (p. 46).

Display

TALK

FUNCTION/EXIT/CH

CLEAR

▲, ▼

REDIAL/PAUSE
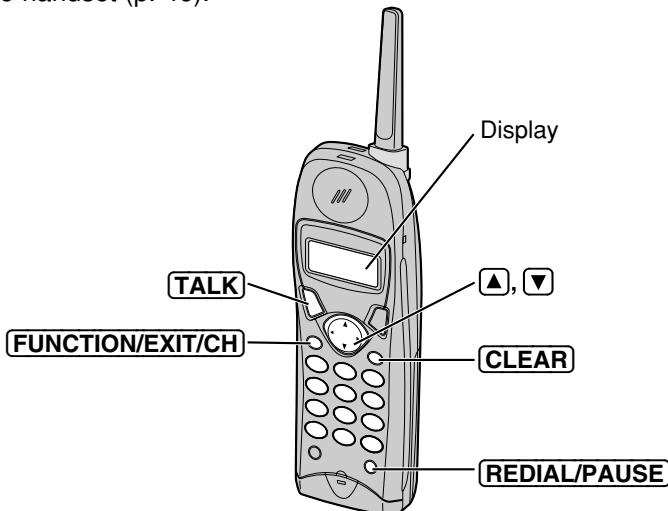
1   Press (TALK).

```
Talk
```

2   Dial a phone number.
- The dialled number is displayed.
- After a few seconds, the display will show the length of the call and the battery strength.

```
Talk
0111112222
```

```
Talk

00-00-00   [▌▌▌]
```

3   To hang up, press (TALK) or place the handset on the base unit.

```
Off

00-01-08   [▌▌▌]
```

- If the handset has lost communication with the base unit, 3 beeps sound and "No link to base Place on cradle and try again." is displayed.

If noise interferes with the conversation

Press (FUNCTION/EXIT/CH) to select a clearer channel or move closer to the base unit.

To redial the last number dialled

Press (TALK) and press (REDIAL/PAUSE).

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To dial after confirming the entered number

1 Dial a phone number.
•If you misdial, press (**CLEAR**) and dial again.

0233334444

2 Press (**TALK**).
•After a few seconds, the display will show the length of the call and the battery strength.

Talk
0233334444

Talk

00-00-00 { ▌▌▌ }

3 To hang up, press (**TALK**) or place the handset on the base unit.

Off

00-01-08 { ▌▌▌ }

To redial after confirming the last number dialled

Press (**REDIAL/PAUSE**) and press (**TALK**).

To adjust the receiver volume (HIGH, MEDIUM or LOW) while talking

To increase, press (▲).
To decrease, press (▼).

•Each time you press (▼) or (▲), the volume level will change.
•The display will return to the length of the call.

HIGH

Loud

Low ▌▌▌▌▌▌ High

(▲) ↑   ↓ (▼)

MEDIUM

Loud

Low ▌▌▌▌ High

(▲) ↑   ↓ (▼)

LOW

Loud

Low ▌▌ High

19
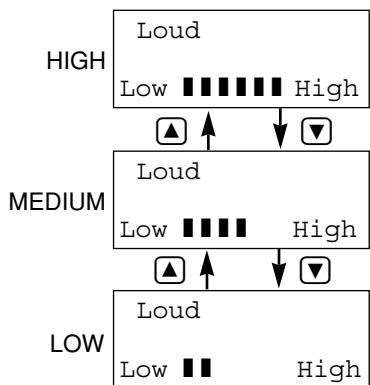
Answering Calls

When a call is received, the unit rings, "Incoming call" is displayed and the CALLER ID indicator on the base unit flashes quickly.
If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 21). In order to view the Caller ID information, please wait until the second ring to answer a call.

Press (TALK).

• You can also answer a call by pressing any dialling button 0 to 9, * or # (—**Any Key Talk**).

(TALK)

Auto Talk

If you set the Auto Talk feature to ON (p. 15), you can answer a call by lifting the handset off the base unit without pressing (TALK).
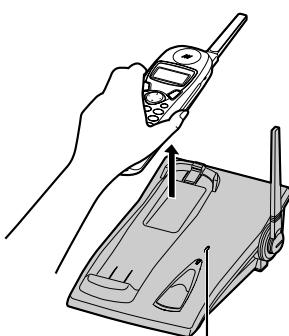
When the optional headset is connected (p. 46), make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

CALLER ID Indicator

Lighted handset keypad

The handset dialling buttons will light when you press a button or lift the handset off the base unit, and flash when a call is received.
The lights will go out a few seconds.

Backlit LCD display

The lighted handset display will stay on for a few seconds after pressing a handset button, lifting the handset off the base unit, hanging up a call, or leaving the programming mode.

Caller ID Service ➡

This unit is compatible with a Caller ID service offered by your telephone company. If you subscribe to a Caller ID service, the calling party's information will be shown on the handset display after the first ring.

The unit can record information of up to 50 different callers in the Caller List. The Caller List information is sorted by the most recent to the oldest call. When the 51st call is received, the information of the first call is replaced with the information of the 51st call.

Using the list, you can automatically call back a caller. You can store the callers' phone numbers from the Caller List into the directory.

When a second call is received while talking, the new caller's phone number will be displayed (**for Australia only**) (p. 41).

How caller information is displayed when a call is received

The handset display shows the caller's phone number after the first ring.*

• After you answer the call, the display will show the length of the call.

```
0244448888
```

(The number is an Australian example.)
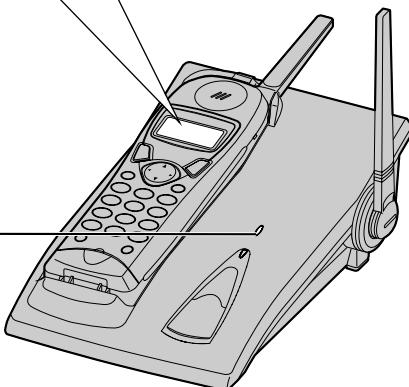
The CALLER ID indicator light will flash quickly when a call is being received.

*Private name display

If you receive a call from one of the same phone numbers stored in the directory, the caller's name will also be displayed.

• To use this function, names and phone numbers must be stored in the directory (p. 32).

```
TINA ROBINSON
0244448888
```

Basic Operation

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• Caller information cannot be displayed in the following cases:
— If the caller dialled from an area which does not provide a Caller ID service, the display will show "Out of area".
— If the caller has requested not to display his/her information, the display will show "Private caller".
• If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
• If the name display service is available in your area, the display will show caller's names. For further information, please contact your telephone company.
• For additional information on Caller ID services and call waiting, please refer to page 41.

For New Zealand Users:
Your telephone company may not support the second caller display feature.

To check the number of new calls

When new calls have been received, the CALLER ID indicator flashes slowly on the base unit.

While the handset is on the base unit:

If you have received 10 new calls,
the display will show the following:

```
10 new calls
        [■■■]
```
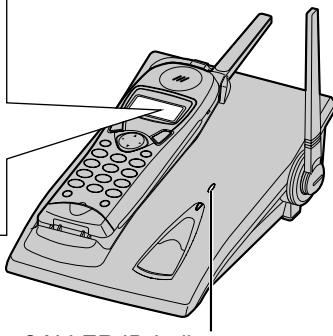
CALLER ID Indicator

While the handset is off the base unit:

The unit must be in the standby mode.

Press ▼ or ▲ to turn the display on.
If you have received 10 new calls,
the display will show the following:

```
10 new calls
▼▲  ▶=Directory
```

▲, ▼
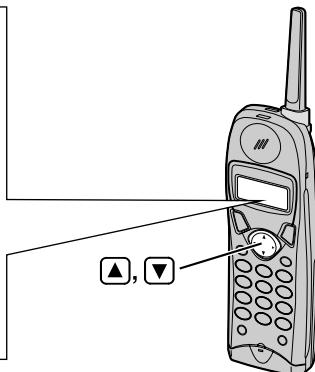
• If "No items stored" is displayed, the Caller List is empty.

Using the Caller List ➡

Viewing the Caller List

To check who has called, follow the steps below.
Make sure the handset is in the standby mode initially.

▼, ▲

FUNCTION/EXIT/CH

✱

#

Basic Operation

•Once new calls have been checked, "√" will be added.
•If "No items stored" is displayed, the Caller List is empty.
•If more than one call is received from the same caller, the date and time of the
last call will be recorded. If the same caller calls again, the call entry with "√" will
be deleted.

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Ex. When you search from the most recent call:

Lift the handset off the base unit and press ▼ or ▲.

```
  2 new calls
▼▲   ▶=Directory
```
Press ▼.

To return to the previous caller,
press ▲.

To exit the Caller List,
press FUNCTION/EXIT/CH.

• The handset will return to the standby mode.

```
02223334444
 3:10P JUN10
```
Press ▼.

*If you receive a call from one of the same phone numbers stored in the directory, the caller's name will be displayed (**Private name display**).

*
```
NANCY BROWN
0244448888
 1:54P JUN 9 ×3
```
Press ▼.

**If an arrow (→) is displayed after the number, the whole phone number has not been shown.
Press # (→) to see the remaining numbers or ✳ (←) to return to the previous display.

**
```
01234567890123→
10:38A JUN 9 √
```
Press ▼.

Press # or ✳.

```
012345678901234
567890
```

```
  0 new call
▼▲   ▶=Directory
```
Press ▼.

Display meaning:
 √   : You have checked this caller information, answered the call or called back the caller.
×2-×9 : The number of times the same caller called (up to 9). After checking, "×2" – "×9" will be replaced with "√".

Calling Back from the Caller List
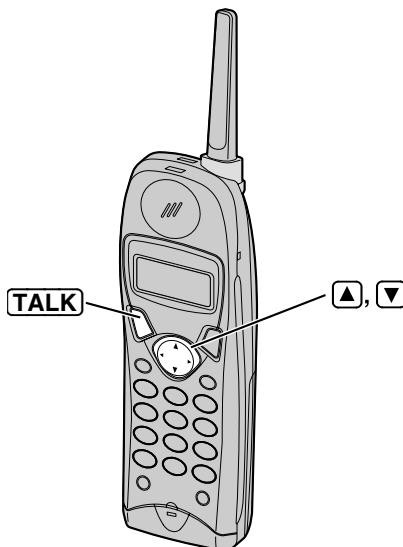
TALK ▲, ▼

1   Lift the handset off the base unit and
    press ▼ or ▲ to enter the Caller List.

```
  3 new calls
▼▲  ▶=Directory
```

2   Press ▼ or ▲ repeatedly to find the
    desired caller.

```
0355566677
11:20A JAN12 X3
```

3   Press **TALK**.
    •The displayed phone number is dialled
     automatically.

```
Talk
0355566677
```

```
Talk
00-00-00  {▮▮▮}
```

•In some cases, you may have to edit the number before dialling (p. 26).
•If a phone number is not displayed in the caller information, you cannot call back
 that caller.

For New Zealand Users:
Your telephone company may charge you for a local call if the number
dialled has the area code prefix included. If the charge for local call is
unacceptable, only the 7-digits of the local number should be dialled
from your telephone. Do not dial the "0" prefix or the area code digit.

Editing the Caller's Phone Number

You can edit a phone number in the Caller List.
Make sure the handset is in the standby mode initially.

1 Lift the handset off the base unit and press
▼ or ▲ to enter the Caller List.

2 Press ▼ or ▲ repeatedly to find the
desired caller.

```
0276543210
11:20A JAN12 √
```

FWD/EDIT ▶ (Edit key)▼

3 Each time you press **FWD/EDIT ▶**
(Edit key) to edit, the number is
rearranged into one of 2 different
patterns.

ⓐ   Phone no.
   (The first 2 digits are deleted.)

```
ⓐ  76543210
   ▼=Next      ▶=Edit
```

FWD/EDIT ▶ (Edit key)▼

ⓑ Free editing
   • You can add digits to the front of the
     number, up to a total of 20 digits
     including the original number.
   • Each time you press **CLEAR**,
   — after you add a number, the digit to
     the left of the cursor is erased.
   — when the cursor is at the front, the
     digit on the cursor is erased.

```
   0276543210
ⓑ
   ▼=Next      ▶=Edit
```

Ex. "0" is added.

```
00276543210

▼=Next      ▶=Edit
```

FWD/EDIT ▶ (Edit key)

• When you press **FWD/EDIT ▶**, the phone number returns to the original
number shown in step 2.

4 After editing the number, you can continue with calling back or
storing procedures.
To call back, press **TALK** (p. 25).
To store the number in the directory, press ▼ (Next key), and press
FWD/EDIT ▶ (Save key). (If the caller has no name information, see
page 27, from step 5.)

• The number edited in step 3 will not be maintained in the Caller List.

For New Zealand Users:
Your telephone company may charge you for a local call if the number
dialled has the area code prefix included. If the charge for local call is
unacceptable, only the 7-digits of the local number should be dialled
from your telephone. Do not dial the "0" prefix or the area code digit.
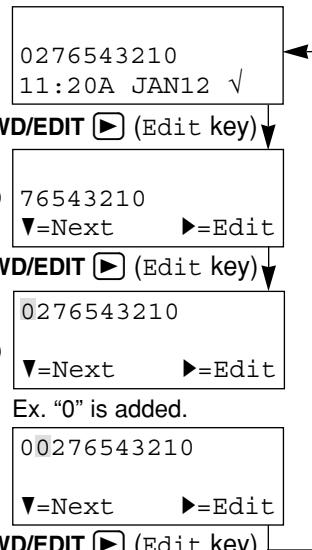
Storing Caller List Information in the Directory

You can store names and phone numbers that are in the Caller List into the directory.
Make sure the handset is in the standby mode initially.

1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.

```
 10 new calls
▼▲   ▶=Directory
```

2 Press ▼ or ▲ repeatedly to find the caller you want to store in the directory.

```
0355566677
11:20A JAN12 X3
```

3 To edit the phone number, see page 26, on step 3.
If not required, press **FWD/EDIT** ▶ **twice**.

```
0355566677

▼=Next     ▶=Edit
```

4 Press ▼ (Next key).

```
0355566677
▲=Edit     ▶=Save
```

5 Press **FWD/EDIT** ▶ (Save key).

When the caller's name is not displayed in the Caller List:
a) If a name is not required, press ▼ (Next key) and press **FWD/EDIT** ▶ (Save key).
b) If a name is required, enter the name (p. 34). When finished, press ▼ (Next key) and press **FWD/EDIT** ▶ (Save key).

```
Enter name
▪
◀▶         ▼=Next
```

```
Enter name
CINDY TURNER
◀▶         ▼=Next
```

• A beep sounds.
• To continue storing other items, repeat from step 2.
• To return to the standby mode, press **FUNCTION/EXIT/CH**.

```
CINDY TURNER
0355566677
```

• You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
• If the display shows "Directory full" in step 5, press **FUNCTION/EXIT/CH** to exit the list. To erase other stored items from the directory, see page 39.
• After the maximum of 50 items has been stored, "Directory full" is also displayed.

Basic Operation

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• You cannot store caller information in the directory if a phone number is not displayed.
• If 3 beeps sound and the display shows "Save error" in step 5, move closer to the base unit and start again from step 2.

For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Erasing Caller List Information

After checking the Caller List, you can erase some or all of the entries.
Make sure the handset is in the standby mode initially.

To erase a specific caller from the Caller List

1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.

```
 10 new calls
▼▲  ▶=Directory
```
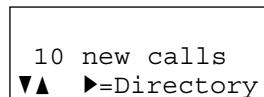
2 Press ▼ or ▲ repeatedly to find the caller you want to erase from the Caller List.

```
0246813579
12:20A JAN12 √
```
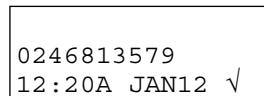
3 Press (CLEAR).
• A beep sounds and the information is erased.
• To erase other items, repeat from step 2.
• To return to the standby mode, press (FUNCTION/EXIT/CH).

```
    Clear
```
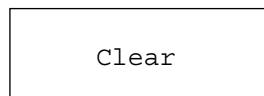
To erase all entries in the Caller List

Before erasing all entries, make sure that "0 new call" is displayed.

1   Lift the handset off the base unit and press
    ▼ or ▲ to enter the Caller List.

```
   0 new call
▼▲  ▶=Directory
```

2   Press **[CLEAR]**.

```
▶Exit
 All clear
▼▲          ▶=Yes
```

3   Press ▼ or ▲ to select "All clear".

```
 Exit
▶All clear
▼▲          ▶=Yes
```

4   Press **FWD/EDIT** ▶ (Yes key) or
    [CLEAR].

    •A beep sounds and all entries are erased.
    •The handset will return to the standby mode.

```
   All clear
```

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One-Touch Dialler

You can store one phone number in the **DIRECT** button of the handset.
The stored number is dialled with a one-touch operation.

Storing a Phone Number in the DIRECT Button

Make sure the handset is in the standby mode initially.

1   Press **FUNCTION/EXIT/CH**.

2   Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
HProgram
 LCD contrast
GF        H=Yes
```

3   Press **FWD/EDIT** ▶ (Yes key).

```
HSave DIRECT#
 Recall time
GF        H=Yes
```
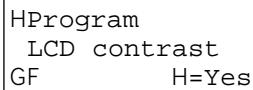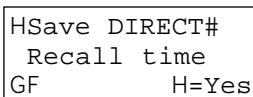
4   While the arrow points to "Save DIRECT#", press **FWD/EDIT** ▶ (Yes key).

```

▮

I H       G=Next
```

5   Enter a phone number, up to 22 digits.
  - Each time you press **CLEAR**, a digit is erased. To erase all digits, press and hold **CLEAR**.
  - To move the cursor, press **BACK** ◀ or **FWD/EDIT** ▶.

```
123456789012345
6789012
I H       G=Next
```
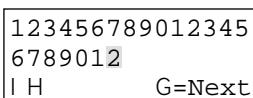
6   Press ▼ (Next key).
  - If you want to edit the entered number, press ▲ (Edit key) and return to step 5.
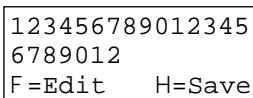
```
123456789012345
6789012
F=Edit    H=Save
```

7   Press **FWD/EDIT** ▶ (Save key).
  - A beep sounds.
  - To return to the standby mode, press **FUNCTION/EXIT/CH**.

```
123456789012345
6789012
Save DIRECT#
```

- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- If a pause is required for dialling, **REDIAL/PAUSE** can be stored in a phone number in step 5. This counts as one digit (p. 40).

Dialling the Stored Number in the DIRECT Button

1 Press **[DIRECT]**.
•The stored number is displayed.

```
123456789012345
6789012
```

2 Press **[TALK]**.
•The number is dialled.

```
Talk
123456789012345
6789012
```

•You can also dial the stored number by pressing **[TALK]** then pressing **[DIRECT]**.

Using the Directory

You can store up to 50 names and phone numbers in the directory using the handset. All directory items are sorted by the first word in alphabetical order. Using the directory, you can make a call by selecting a name on the handset display. When you receive a Caller ID call from a caller stored in the directory, the display will show the caller's name with the phone number (—**Private name display**) (p. 21).

Storing Names and Numbers in the Directory

Make sure the handset is in the standby mode initially.
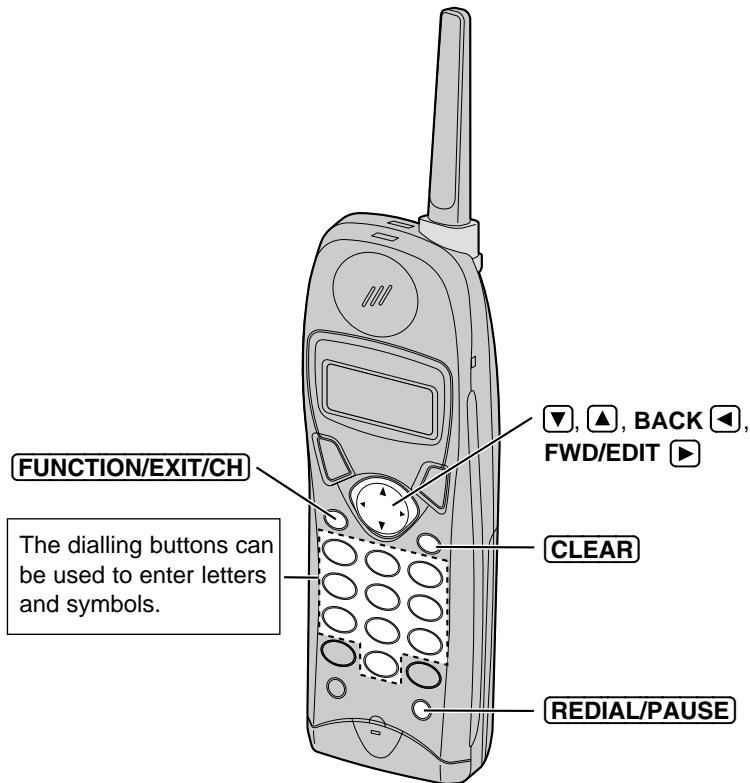
FUNCTION/EXIT/CH

The dialling buttons can be used to enter letters and symbols.

$\boxed{\blacktriangledown}$, $\boxed{\blacktriangle}$, **BACK** $\boxed{\blacktriangleleft}$, **FWD/EDIT** $\boxed{\blacktriangleright}$

CLEAR

REDIAL/PAUSE

1 Press **FUNCTION/EXIT/CH**.

```
HSave directory
 Ringer volume
GF        H=Yes
```

2 While the arrow points to "Save directory", press **FWD/EDIT** $\boxed{\blacktriangleright}$ (Yes key).

•The display shows the number of stored items in the directory.

```
Directory=
  20 items
```

3   Enter a name, up to 15 characters using
    the dialling buttons (p. 34).

    •To move the cursor, press **BACK** ◀ or
    FWD/EDIT ▶.
    •If a name is not required, press ▼ (Next key)
    and go to step 5.

```
Enter name
▮
I H          G=Next
```

```
Enter name
Tom Jones▮
I H          G=Next
```

4   Press ▼ (Next key).

```
Enter phone no.


```

5   Enter a phone number, up to 22 digits.
    •Each time you press **CLEAR**, a digit is
    erased. To erase all digits, press and hold
    CLEAR.
    •To move the cursor, press **BACK** ◀ or
    FWD/EDIT ▶.

```
0398765432▮

I H          G=Next
```

6   Press ▼ (Next key).
    •If you want to change the storing name or
    number, press ▲ (Edit key) repeatedly to
    reach the desired display and change it.

```
Tom Jones
0398765432
F=Edit     H=Save
```

7   Press **FWD/EDIT** ▶ (Save key).
    •A beep sounds.
    •To continue storing other items, repeat from step 2.
    •To return to the standby mode, press
    FUNCTION/EXIT/CH.

```
Tom Jones
0398765432


```

•If a pause is required for dialling, **REDIAL/PAUSE** can be stored in a phone
 number in step 5. This counts as one digit (p. 40).
•You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
•If the display shows "Directory full" in step 2, press **FUNCTION/EXIT/CH**.
 To erase other stored items from the directory, see page 39.
•After the maximum of 50 items has been stored, "Directory full" is also
 displayed.


For New Zealand Users:
Your telephone company may charge you for a local call if the number
dialled has the area code prefix included. If the charge for local call is
unacceptable, only the 7-digits of the local number should be dialled
from your telephone. Do not dial the "0" prefix or the area code digit.

Advanced Operation

Selecting Characters to Enter Names

The handset dialling buttons ($\boxed{0}$ to $\boxed{9}$), **BACK** $\boxed{◄}$
and **FWD/EDIT** $\boxed{►}$ can be used to enter letters
and symbols. The letters are printed on the
dialling buttons.
Pressing each button selects a character as
shown below.
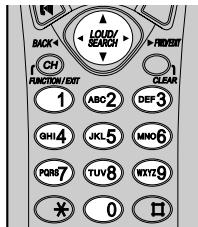
	Number of times key is pressed										
Keys	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
$\boxed{1}$	#	&	'	(	)	$*$	,	–	.	/	1
$\boxed{2}$	A	B	C	a	b	c	2				
$\boxed{3}$	D	E	F	d	e	f	3				
$\boxed{4}$	G	H	I	g	h	i	4				
$\boxed{5}$	J	K	L	j	k	l	5				
$\boxed{6}$	M	N	O	m	n	o	6				
$\boxed{7}$	P	Q	R	S	p	q	r	s	7		
$\boxed{8}$	T	U	V	t	u	v	8				
$\boxed{9}$	W	X	Y	Z	w	x	y	z	9		
$\boxed{0}$	0	Space									
BACK $\boxed{◄}$	To move the cursor to the left										
FWD/EDIT $\boxed{►}$	To move the cursor to the right										

• To enter another character using the same dialling button, press **FWD/EDIT** $\boxed{►}$
to move the cursor to the next space.

If you make a mistake while entering a name

Use **BACK** $\boxed{◄}$ or **FWD/EDIT** $\boxed{►}$ to move the cursor to the incorrect
character, press $\boxed{\text{CLEAR}}$ to delete and enter the correct character. Each
time you press $\boxed{\text{CLEAR}}$, a character is erased. To erase all characters,
press and hold $\boxed{\text{CLEAR}}$.

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For example, to enter "Tom Jones":

1   Press **FUNCTION/EXIT/CH**.

```
HSave directory
 Ringer volume
GF         H=Yes
```

2   While the arrow points to "Save directory", press **FWD/EDIT** ▶ (Yes key).

```
Directory=
  20 items
```

```
Enter name
█
I H       G=Next
```

3   Press **8**.

```
T
```

4   Press **6** six times, then press **FWD/EDIT** ▶ to move the cursor to the right.

```
To█
```

5   Press **6** four times.

```
Tom
```

6   Press **FWD/EDIT** ▶ twice to enter a blank.

```
Tom █
```

7   Press **5**.

```
Tom J
```

8   Press **6** six times, then press **FWD/EDIT** ▶ to move the cursor to the right.

```
Tom Jo█
```

9   Press **6** five times.

```
Tom Jon
```

10   Press **3** five times.

```
Tom Jone
```

11   Press **7** eight times.

```
Enter name
Tom Jones
I H       G=Next
```

12   When finished, press ▼ (Next key).
•To enter a phone number and continue storing, see page 33 , from step 5.

```
Enter phone no.
```

Advanced Operation

35

Finding Items in the Directory

You can search the directory using the handset.
Make sure the handset is in the standby mode initially.

1 Press **BACK** ◀ or **FWD/EDIT** ▶ to
enter the directory list.

```
Directory list
GF
H=Caller's list
```
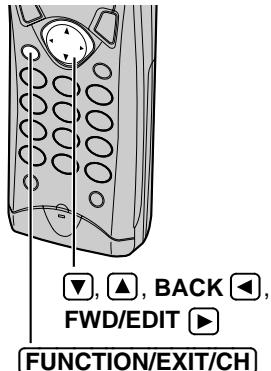
2 Press ▼ or ▲.
•The first item is displayed.

```
Ann
0312345678
```

▼, ▲, **BACK** ◀,
FWD/EDIT ▶

FUNCTION/EXIT/CH

3 Press ▼ or ▲ repeatedly until the
desired item is displayed.

•All directory items are stored in the
order shown on the right.

To search for a name by initial
① Press the dialling button for
the first letter of the desired
name until any name with the
same initial is displayed (see
the Index table on page 37).
Ex. To find "Frank", press ③
repeatedly until the first item
under "F" is displayed.

② Press ▼ repeatedly until the
name is displayed.

Press ▼.   Press ▲.

Alphabet letter

Symbol (excluding # and *)

Number

and *

Telephone number
(If no name is stored)
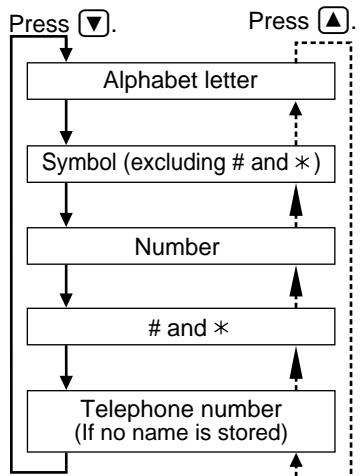
•You can leave the directory list any time by pressing **FUNCTION/EXIT/CH**.
•If "No items stored" is displayed in step 2, the directory is empty.
•In step 1, you can go to the Caller List by pressing **FWD/EDIT** ▶ (p. 23).

Index table

Keys	Index	Keys	Index
[1]	Other symbols, 1	[6]	M, N, O, 6
[2]	A, B, C, 2	[7]	P, Q, R, S, 7
[3]	D, E, F, 3	[8]	T, U, V, 8
[4]	G, H, I, 4	[9]	W, X, Y, Z, 9
[5]	J, K, L, 5	[0]	0, Space

Dialling from the Directory

Make sure the handset is in the standby mode initially.

1   Press **BACK** [◀] or **FWD/EDIT** [▶] to enter the directory list.

```
Directory list
GF
H=Caller's list
```

2   Press [▼] or [▲].
•The first item is displayed.

3   Press [▼] or [▲] repeatedly to find the directory item that you want to dial.

•To search for the item by initial, see page 36.
•To exit the directory, press **[FUNCTION/EXIT/CH]**.

```
Frank
0234567890
```

4   Press **[TALK]**.
•The number is dialled automatically.

```
Talk
0234567890
```

5   To hang up, press **[TALK]** or place the handset on the base unit.

Advanced Operation

Editing an Item in the Directory

Make sure the handset is in the standby mode initially.

1 Press **BACK** ◀ or **FWD/EDIT** ▶ to enter the directory list.

```
Directory list
GF
H=Caller's list
```

2 Press ▼ or ▲.
•The first item is displayed.

3 Press ▼ or ▲ repeatedly to find the directory item you want to change, and press **FWD/EDIT** ▶.

•To search for the item by initial, see page 36.
•If you do not need to change the name, go to step 5.

```
Jane
0233444555
```

```
Enter name
Jane
I H        G=Next
```

4 Edit the name using the dialling buttons, **BACK** ◀ or **FWD/EDIT** ▶ (p. 34), up to 15 characters.

```
Enter name
Jane Walker
I H        G=Next
```

5 Press ▼ (Next key).
•If you do not need to change the number, go to step 7.

```
0233444555

I H        G=Next
```

6 Add a number to the current number.
•Each time you press **CLEAR**, a digit is erased. To erase all digits, press and hold **CLEAR**.
•To move the cursor, press **BACK** ◀ or **FWD/EDIT** ▶.

```
0333444555

I H        G=Next
```

7 Press ▼ (Next key).
•If you want to change the storing name or number, press ▲ (Edit key) repeatedly to reach the desired display and change it.

```
Jane Walker
0333444555
F=Edit    H=Save
```

8 Press **FWD/EDIT** ▶ (Save key).
•A beep sounds.
•To continue editing other items, repeat from step 3.
•To return to the standby mode, press **FUNCTION/EXIT/CH**.

```
Jane Walker
0333444555
```

•You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.

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Erasing an Item from the Directory

Make sure the handset is in the standby mode initially.

1 Press **BACK** ◄ or **FWD/EDIT** ► to enter
the directory list.

```
Directory list
GF
H=Caller's list
```

2 Press ▼ or ▲.
•The first item is displayed.

3 Press ▼ or ▲ repeatedly to find the
directory item you want to erase.

•To search for the item by initial, see page 36.

```
Helen
0357924680
```

4 Press **CLEAR**.
•To stop erasing, press **BACK** ◄ (No key).

```
Clear?

I =No      H=Yes
```

5 Press **FWD/EDIT** ► (Yes key) or **CLEAR**.
•A beep sounds and the item is erased.
•To erase other items, repeat from step 3.
•To return to the standby mode, press
FUNCTION/EXIT/CH.

```
        Clear
```

•You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.

Special Features

How to Use the PAUSE Button
(For PBX Line/Long Distance Calls)

We recommend you press [**REDIAL/PAUSE**] if a pause is required for dialling with a PBX or to make a long distance call.

Ex. Line access number [**9**] (PBX)

   [**9**] ↘ [**REDIAL/PAUSE**] ↘ | Phone number |

•Pressing [**REDIAL/PAUSE**] once creates a 3.5 second pause. This prevents misdialling when you redial or dial a stored number.
•Pressing [**REDIAL/PAUSE**] more than once increases the length of the pause between numbers.

Automatic Security Code Setting

Each time you place the handset on the base unit, the unit automatically selects one of more than a million security codes. These codes help prevent the unauthorized use of your telephone line by another cordless telephone user.

Handset Locator

You can locate the handset or page the handset user with beep tones from the base unit.

1 Press [**HANDSET LOCATOR**].
   •The IN USE/CHARGE indicator flashes. The handset beeps for 1 minute and "Paging" is displayed.

2 To stop paging, press [**HANDSET LOCATOR**] again or press [**TALK**] twice on the handset.

Call Waiting and Caller ID Compatible
(For Australia only)

If you subscribe to Caller ID services, your handset displays a second caller's information while talking. After you hear a call-waiting tone, the caller's phone number and

```
0266667777
----Waiting----
```

"----Waiting----" will be displayed.

You can answer the second call, keeping the first call on hold.
Follow Telstra or your service provider instructions using (**RECALL**).

• If the phone number is stored in the directory, the caller's name will be displayed (p. 21).
• The second caller's information will not be displayed when a parallel connected telephone is in use.
• Please contact Telstra or your service provider for details and availability in your area.

Using Caller ID Type II

When you receive a second call during a conversation, you will hear a signal tone following the call waiting tone and the **conversation will be interrupted or muted for a short period of time.** This is not fault of the product as these events are normal.

Note: The tones are generated by the telephone company.

For Call Waiting Service Users in New Zealand

Make sure the recall time is set to 600 msec for use with Telecom's Call Waiting Service. Press (**RECALL**) if you hear a call-waiting tone while talking.

• The first call is put on hold and you can answer the second call.
• To return to the first caller, press (**RECALL**) again.
• Your telephone company may not support the second caller display feature.

Advanced Operation

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RECALL Button

Pressing (**RECALL**) allows you to use special features of your host PBX such as transferring an extension call or accessing special telephone services (optional) such as call waiting.

Selecting the recall time

The recall time depends on your telephone exchange or host PBX. You can select the following recall times: "700, 600, 400, 300, 250, 110, 100 or 90 msec (milliseconds)". KX-TG2551AL comes from the factory set to "100 msec" and KX-TG2551NZ comes from the factory set to "600 msec".
Make sure the handset is in the standby mode initially.

1 Press (**FUNCTION/EXIT/CH**).

2 Press (▼) or (▲) repeatedly until the arrow points to "Program".

```
HProgram
 LCD contrast
GF        H=Yes
```

3 Press **FWD/EDIT** (▶) (Yes key).

4 Press (▼) or (▲) repeatedly until the arrow points to "Recall time".

```
 Save DIRECT#
HRecall time
GF        H=Yes
```

5 Press **FWD/EDIT** (▶) (Yes key).

6 Press (▼) or (▲) repeatedly until the desired time is displayed.

7 Press **FWD/EDIT** (▶) (Save key).
   • A beep sounds.
   • To return to the standby mode, press (**FUNCTION/EXIT/CH**).

• You can exit the programming mode any time by pressing (**FUNCTION/EXIT/CH**).
• Users in Australia can access Telstra's "EASY CALL" service by having the recall time set at 100 msec (this is the factory default setting), and then follow Telstra's "EASY CALL" instructions to operate this service.
• If the unit is connected via a PBX, PBX functions (transferring a call etc.) might not work correctly. Consult your PBX supplier for the correct setting.

For Call Waiting Service Users in New Zealand

Make sure the recall time is set to 600 msec for use with Telecom's Call Waiting Service. Press (**RECALL**) if you hear a call-waiting tone while talking.

• The first call is put on hold and you can answer the second call.
• To return to the first caller, press (**RECALL**) again.
• Your telephone company may not support the second caller display feature.

Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use a telephone double adaptor (for Australia) or a T-adaptor (for New Zealand).

For Australia

Standard Telephone

(Optional)

To Socket ← Telephone Double Adaptor

Telephone Line Cord

For New Zealand

To Single-Line Telephone Jack

T-Adaptor (Optional)

Telephone Line Cord

Standard Telephone

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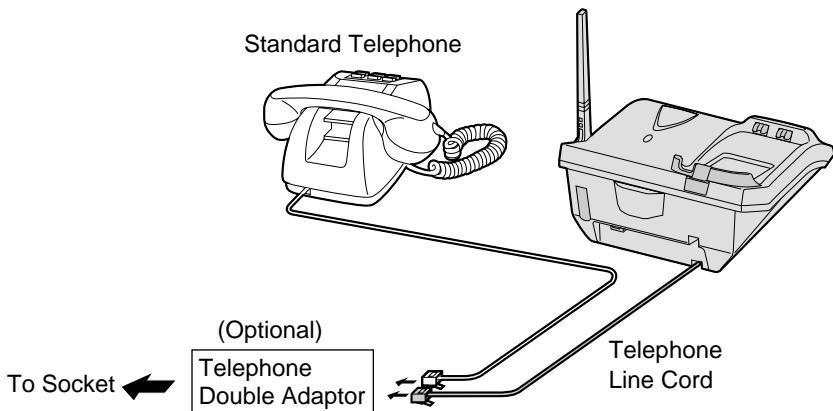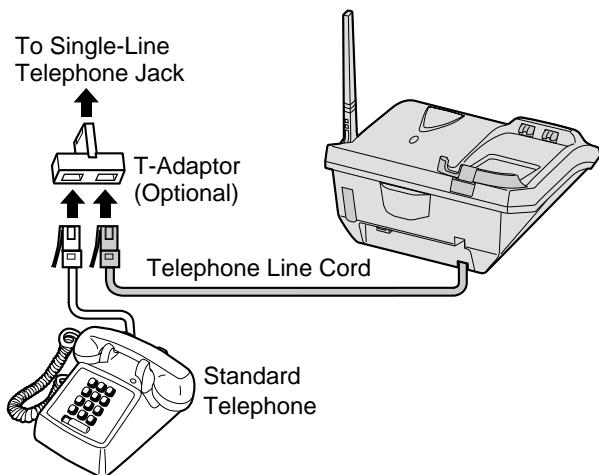
Wall Mounting

This unit can be mounted on a wall.

1   Push the hook and turn it around.
     Turn the hook until a click is heard.
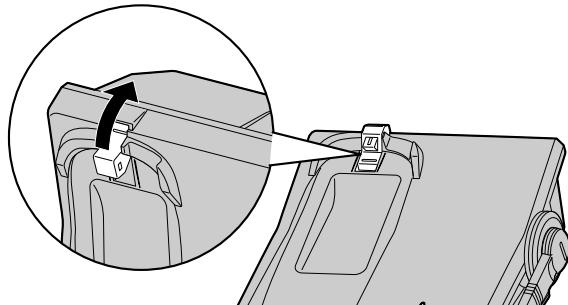
2   Connect the AC adaptor.

To Power
Outlet
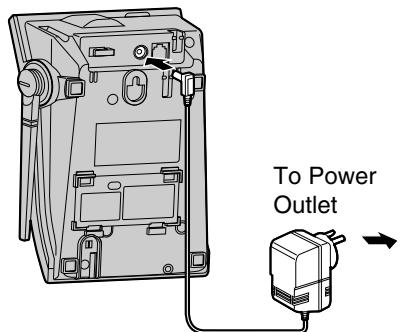
3   Tuck the telephone line cord inside
     the wall mounting adaptor, then
     push it in the direction of the arrow.

     •The word "UP" should face upward.
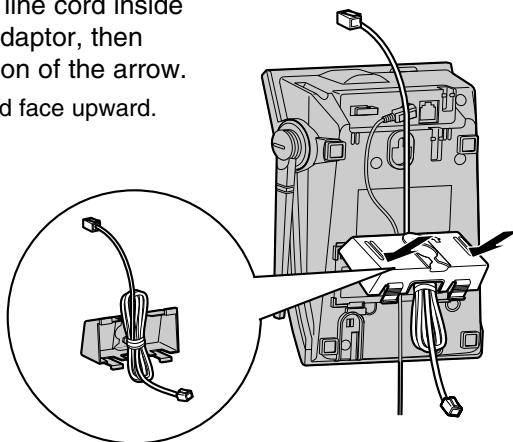
4   Install screws using the wall template below.
    Connect the telephone line cord. Mount the unit, then
    slide down.

•Raise the antenna.
•Fasten the telephone
 line cord to prevent it
 from being disconnected.

Screws

Hooks

8.3 cm
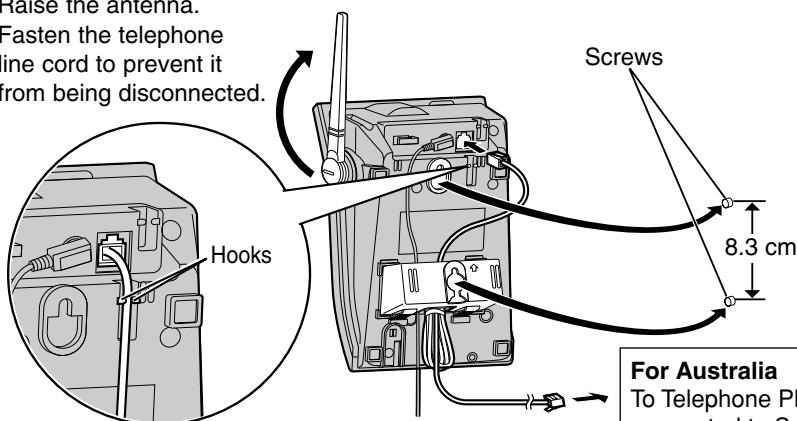
For Australia
To Telephone Plug
connected to Socket
OR
For New Zealand
To Single-Line
Telephone Jack

5   **To charge the handset battery:**
    Fix the charge contacts (①) and insert
   the hook to the handset hole (②).

•The IN USE/CHARGE indicator lights.

Hook

Hole

②

OR

①

Wall Template

8.3 cm
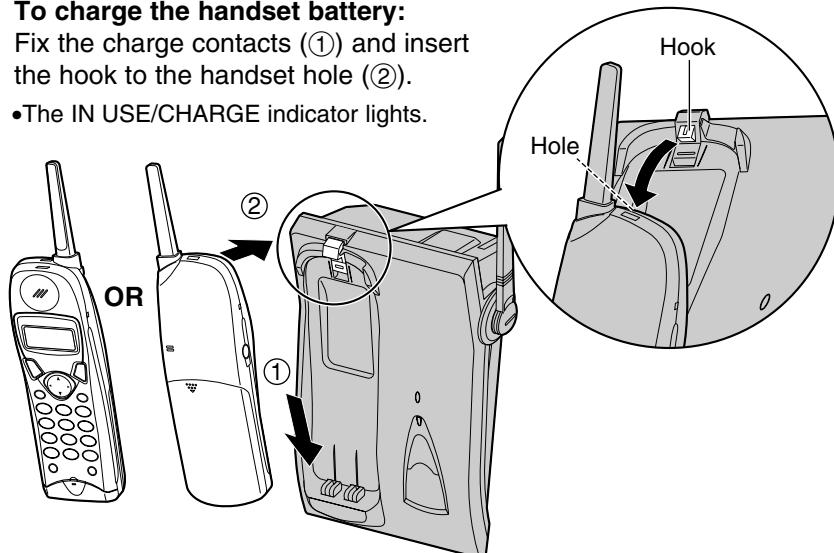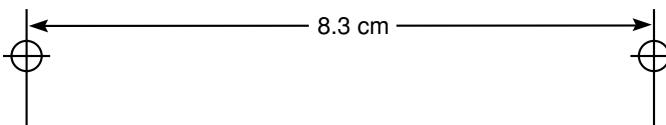
Using the Belt Clip

You can hang the handset on your belt or pocket using the belt clip.

**To attach the belt clip**   **To remove the belt clip**
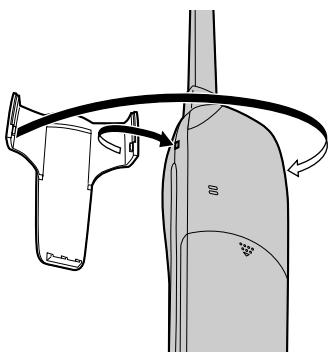
Using an Optional Headset

Plugging an optional headset into the handset allows a hands-free phone conversation. Please use only the Panasonic KX-TCA88AL headset.

Only telecommunications compliance labelled headsets should be plugged into the headset jack on the handset.

Connection an optional headset to the handset

Open the headset jack cover, and connect the headset to the headset jack as shown below.

Headset Jack
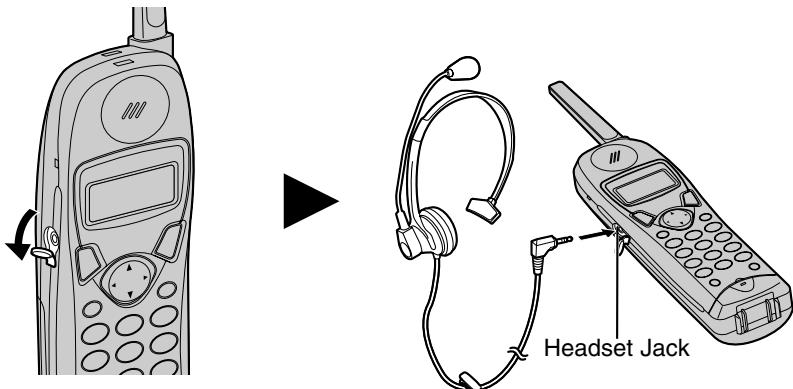
When the optional headset is connected to the handset, make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

Battery Replacement

If "Recharge" is displayed and/or "{ ▌]" flashes after a few telephone calls even if the battery was fully charged, replace the battery with a new Panasonic N4HKGMB00001 (P-P510) battery.

1 Press the notch on the battery cover firmly and slide it as indicated by the arrow.
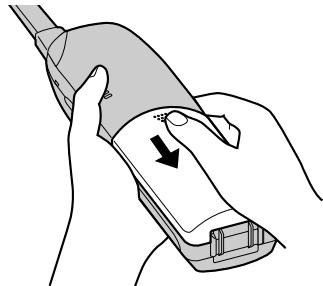
2 Remove the old battery and wait for **a few minutes**.
Then install the new one.

•Insert the battery plug into the connector as shown.
•Be sure wires are free from being pressed by the battery body or the handset cover.

Black Lead

Red Lead
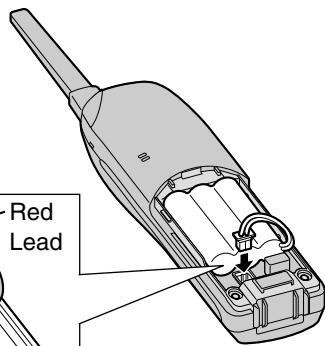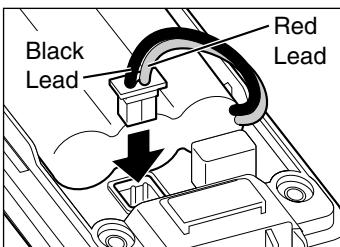
3 Close the cover. Make sure the handset display shows "{ ▌]", when you place the handset on the base unit.

•If it does not show "{ ▌]", remove the new battery and wait for 10 minutes; and then insert the battery again. Make sure the handset display shows "{ ▌]".

4 Charge the new battery for about 6 hours in order to display the battery strength prompt correctly (p. 11).

Troubleshooting

Problem	Cause & Remedy
The unit does not work.	•Check the settings (p. 10–13). •Charge the battery fully (p. 11). •Clean the charge contacts and charge again (p. 12). •Install the battery properly (p. 47). •Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, and try again. •Re-install the battery and place the handset on the base unit (p. 47). Try again. •KX-TG2551AL and KX-TG2551NZ are not designed to be used with rotary (pulse dialling) services.
"No link to base Place on cradle and try again." is displayed and an alarm tone sounds.	•You are too far from the base unit. Move closer and try again. •Place the handset on the base unit and try again. •Plug in the AC adaptor. •Raise the base unit antenna.
Static, sound cuts in/out, fades. Interference from other electrical units.	•Locate the handset and the base unit away from other electrical appliances (p. 3). •Move closer to the base unit. •Raise the base unit antenna. •Press **FUNCTION/EXIT/CH** to select a clearer channel.
The handset does not ring.	•The ringer volume is set to OFF. Set to HIGH or LOW (p. 16).
The handset display is blank.	•The handset is in the standby mode (p. 12). Press ▼, ▲, **BACK** ◄ or **FWD/EDIT** ► to turn the display on.
The handset display is still blank after pressing ▼, ▲, **BACK** ◄ or **FWD/EDIT** ►.	•Charge the battery fully (p. 11).

Problem	Cause & Remedy
You cannot program items, such as the LCD contrast.	•Programming is not possible while the unit is in the talk mode or when viewing the Caller List/directory list. •Do not pause for over 60 seconds while programming. •Move closer to the base unit. •$\blacktriangledown$, $\blacktriangle$, **BACK** $\blacktriangleleft$ or **FWD/EDIT** $\blacktriangleright$ may have been pressed when you picked up the handset. Press **FUNCTION/EXIT/CH** and try again.
Previously programmed information is erased.	•If a power failure occurs, programmed information may be erased. Reprogram if necessary.
You cannot store a name and phone number in the directory.	•You cannot store an item in the directory while the unit is in the talk mode. •Do not pause for over 60 seconds while storing.
While programming or searching, the unit starts to ring and stops the program/search.	•To answer the call, press **TALK**. Start again from the beginning after hanging up.
The unit does not display the caller's name and/or phone number.	•You need to subscribe to a Caller ID service. •Other telephone equipment may be interfering with your phone. Disconnect it and try again. •Other electrical appliances connected to the same outlet may be interfering with the Caller ID information. •Telephone line noise may be affecting the Caller ID information. •Some of PBX units may not support Caller ID. Please consult with your PBX supplier. •The calling party does not subscribe to Caller ID services.

Useful Information

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Problem	Cause & Remedy
The handset display goes to the standby mode while viewing the Caller List.	•Do not pause for over 60 seconds while searching.
(**HANDSET LOCATOR**) does not function.	•The handset is too far from the base unit. •The handset is engaged in an outside call or is viewing the Caller List/directory list. Wait until the IN USE/CHARGE indicator light goes out.
You cannot redial by pressing (**REDIAL/PAUSE**).	•If the last number dialled was more than 32 digits long, the number will not be redialled correctly. •The button has a double function as either redial or pause. It will redial the last number dialled if pressed at the outset of a call (p. 18). If another number has been dialled first, it will operate as a pause button (p. 40).
"Recharge" is displayed on the handset, "〖 ▮ 〗" flashes or the unit beeps intermittently.	•Charge the battery fully (p. 11).
You charged the battery fully, but "Recharge" is still displayed and/or "〖 ▮ 〗" continues to flash.	•Clean the charge contacts and charge again (p. 12). •Install a new battery (p. 47).
The IN USE/CHARGE indicator light does not go out after the battery has been charged.	•This is normal.
You cannot have a conversation using the handset.	•When the headset is connected (p. 46), you must use the headset to talk with the caller. To have a normal cordless phone conversation, disconnect the headset.
You cannot have a conversation using the headset.	•Make sure that the headset is connected properly (p. 46). •Please use only the Panasonic KX-TCA88AL headset.

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For Australian Customers
Panasonic Australia operates a toll free Customer Support Centre.
Please phone Panasonic on 132600 for assistance.

For New Zealand Customers
Panasonic New Zealand operates a toll free Customer Support Centre.
Please phone 0800 Panasonic (0800 726276) for assistance.

Safety Instructions

Take special care to follow the safety suggestions listed below.

Safety
1) The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
2) When left unused for a long period of time, the base unit should be unplugged from the household AC outlet.
3) To minimize the possibility of lightning damage when you know that a thunderstorm is coming, we recommend that you:
   a) Unplug the telephone line cord from the phone jack.
   b) Unplug the power supply cord from the AC power outlet.

Installations
Environment
1) Do not use this unit near liquids—for example, near a bathtub, washbowl, sink, etc. Damp environments should also be avoided.
2) The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It also should not be placed in rooms where the temperature is less than 5°C or greater than 40°C.
3) The AC adaptor is used as the main disconnect device, ensure that the AC outlet is located/installed near the unit and is easily accessible.

Placement
1) Do not place heavy objects on top of this unit.
2) Care should be taken so that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.
3) Place the unit on a flat surface.

For best performance
1) If noise prevents the conversation from being understood at the handset, approach the base unit to lessen the noise.
2) The handset should be used at the HIGH volume setting when the reception audio is difficult to hear.
3) The handset should be fully recharged on the base unit when "Recharge" is displayed and/or "〔 ▌〕" flashes.
4) The handset antenna should not be touched during use because it can effect the handset's performance.
5) The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, undergrounds, near metal objects such as wire fences, etc.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS
PRODUCT TO LIQUID OR ANY TYPE OF MOISTURE.

When a failure occurs which results in the internal parts becoming
accessible, disconnect AC adaptor immediately and return this unit to the
place of purchase or service centre.

If there is any trouble, disconnect the unit from the telephone line and
connect a known working phone. If the known working phone operates
properly, do not reconnect the unit to the telephone line until the fault has
been repaired. If the known working phone does not operate properly,
consult your telephone company.

This equipment has been tested and found to comply with AS/NZS 3548:
1995 limits for electromagnetic interference. Any modifications to any part
of the system or to any peripherals may void the EMC compliance of the
system or the peripherals.

This equipment will be inoperable if mains power fails.

The earcap on the handset is magnetised and may retain metallic
objects.

Operating near 2.4GHz electrical appliances may cause interference.
Move away from the electrical appliances and/or press the CH (Channel)
button.

Medical
Consult the manufacturer of any personal medical devices, such as
pacemakers, to determine if they are adequately shielded from external
RF (radio frequency) energy. (The unit operates in the frequency range of
2401MHz to 2462MHz, and the power output level can range from 0.001
watts to 0.10 watts.) Do not use the unit in health care facilities if any
regulations posted in the area instruct you not to do so. Hospitals or
health care facilities may be using equipment that could be sensitive to
external RF (radio frequency) energy.

For New Zealand Users Only

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

WARNING NOTICE:

No "111" or other calls can be made from this device during a mains power failure.

This equipment shall not be set to make automatic calls to the Telecom "111" Emergency Service.

• We recommend that a standard phone which can be used in the case of a power failure be connected to the telephone line at all times.

• This equipment should not be used under any circumstances which may constitute a nuisance to other Telecom customers.

Specifications

■ **Base unit**

Power Supply:	AC Adaptor (230–240 V AC, 50 Hz)
Power Consumption:	Standby: Approx. 4.1 W
	Maximum: Approx. 5.9 W
Frequency:	2.401 GHz – 2.462 GHz
Dimensions (H x W x D):	Approx. 65 mm x 143 mm x 203 mm
Mass (Weight):	Approx. 310 g

■ **Handset**

Power Supply:	Ni-Cd battery (3.6 V, 850 mAh)
Frequency:	2.401 GHz – 2.462 GHz
Dimensions (H x W x D):	Approx. 237 mm x 58 mm x 37 mm
Mass (Weight):	Approx. 210 g
Security Codes:	1,000,000

■ **Dialling Mode:**   Tone (DTMF)

■ **Operating Environment:** 5 ˚C – 40 ˚C

Specifications are subject to change without notice.

Important Information (For Australia only)

Instructions to customer

Installation
Attached to this apparatus is an approval label. This label is evidence that it is a "Permitted Attachment" which has been authorised to be connected to your telephone service.

Conditions relating to connection and operation of this Permitted Attachment are contained in Telecommunications General By-Law 220 (5).

You are authorised to install this Permitted Attachment yourself by plugging it into the line socket of any regular telephone. You may connect it in place of your existing telephone or to any spare telephone socket installed in your premises.

To disconnect your existing telephone you must first remove its plug from the line socket. You can then insert the plug of your Permitted Attachment into the socket and use your equipment.

If the plug of your existing telephone cannot be readily removed, you will have to remove the screw securing it. To do this proceed as follows:

1. Loosen screw "A" sufficiently to remove the socket cover. (See Fig. 1.)
2. Remove screw "B" and withdraw the plug. (See Fig. 2.)
3. Replace screw "B". (See Fig. 3.) Ensure that it screws completely into the socket recess. (If the screw is too long, increase the hole depth or replace the screw with one 5 mm shorter.)
4. Replace socket cover and tighten screw "A". (See Fig. 4.)

SOCKET   PLUG

SCREW "A"
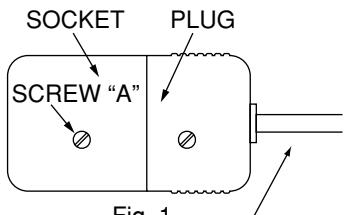
Fig. 1

TELEPHONE CORD
(Connect to the PLUG
as shown in Fig. 1.)

SCREW "B"

Fig. 2

SCREW "B"

Fig. 3

SCREW "A"

SOCKET

Fig. 4

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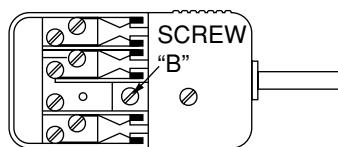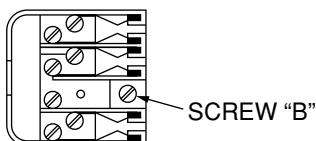
If you are satisfied with the operation of your telephone service after plugging in your Permitted Attachment, your installation is completed.

You will be unable to connect this Permitted Attachment if your telephone service consists only of a wall phone or an old style telephone which is not connected by means of a modern plug and socket. In such cases a new socket will need to be installed.

Should the Permitted Attachment not operate when plugged into a socket, it is either faulty or unsuitable for operation with your telephone service. It should be returned to the store where purchased or an Authorised Service Centre.

Service difficulties
If at any time a fault occurs on your telephone service carry out the following checks before you call for service:

- Disconnect the Permitted Attachment and try using the service with the normal telephone.
- If the telephone service then operates satisfactorily, the fault is in your Permitted Attachment. Leave the Permitted Attachment disconnected and report the fault to its supplier or agent to arrange for repair.
- If when using the telephone the service is still faulty, report the fault to "Service Difficulties and Faults" for attention.

You are required to keep this Permitted Attachment in good working order while it is connected to your telephone service. Its construction or internal circuit must not be modified in any way without permission.

WARNING
This cordless telephone system does not incorporate provision for secrecy of conversations. Appropriately tuned radio equipment and other cordless telephone systems in close proximity may be used by a third party to monitor and possibly interrupt conversations in progress when this system is on radio operation.